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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: George Gammel et al.  
Serial No: 10/005,592  
Confirmation No: 8123  
Filed: October 26, 2001  
For: ION IMPLANTATION SYSTEMS AND METHODS UTILIZING  
A DOWNSTREAM GAS SOURCE  
Examiner: Jack I. Berman  
Art Unit: 2881

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**CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)**

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Cheryl Purcell

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Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

**AMENDMENT**

In response to the Office Action mailed March 5, 2004, please amend the above-identified application as follows.